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Low reflection glass - includes coating of fluorine-contg. silicone cpd. condensate

Patent Assignee: ASAHI GLASS CO LTD (ASAG )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
JP 61040845	A	19860227					198615 B

Priority Applications (No Type Date): JP 84159097 A 19840731

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
JP 61040845	A		6			

Abstract (Basic): JP 61040845 A

The low reflection glass comprises glass and low reflection coatings composed of F-contg. silicone cpd. condensate, formed on the surface thereof or on the surface of pre-coatings formed on the glass surface. The low reflection coatings are bound to the glass surface or the pre-coatings surface while sandwiching therebetween thin coatings having thickness of 0.01 microns or less and composed of organic polyhydroxy cpd. contg. two or more OH radicals, pref. polyhydric alcohol, etc..

The polyhydric alcohol is e.g. polyethyleneglycol, polypropyleneglycol, trimethylol propane etc. The precoatings are e.g.  $\text{Ti}(\text{OCH}_3)_4$ ,  $\text{Ti}(\text{O}-i\text{C}_3\text{H}_7)_2$ ,  $\text{Si}(\text{OC}_2\text{H}_5)_4$ ,  $\text{HSi}(\text{OCH}_3)_3$  etc..

USE/ADVANTAGE - Exhibits low reflectivity (0.8-1.8%) within visible range. Coatings have excellent adherability and also improved hardness (pencil hardness of 2H-5H) and scratching resistance. Suitable for use in window glass, optical lens, spectacle lens, watch glass and antidazzling glass for television etc..

Title Terms: LOW; REFLECT; GLASS; COATING; FLUORINE; CONTAIN; SILICONE; COMPOUND; CONDENSATE

Derwent Class: A82; G02; L01

International Patent Class (Additional): C03C-017/30

File Segment: CPI

Manual Codes (CPI/A-N): A06-A00E1; A12-B05; A12-L02A; A12-L03; A12-R04; G02-A05; L01-G04C; L01-L; L01-L05

Plasdoc Codes (KS): 0013 0205 0210 0072 0231 1279 1306 1588 1602 2307 3317 2592 2622 2654 3252 2695 3267 3278 2765 3310 2851 2857

Polymer Fragment Codes (PF):

\*001\* 014 028 04- 05- 062 064 07& 09& 147 15- 198 200 229 303 336 38- 43&  
431 477 516 521 54& 551 560 561 57& 575 596 597 600 613 615 623 627  
645 649 678 688 720